



United States Environmental Protection Agency

Region 10 Emergency Response Unit

POLLUTION REPORT

I. HEADING

Date: April 7, 2001
Subject: Boomsnub Soil OU Removal Site (Boomsnub), Hazel Dell, Washington
From: Michael Szerlog, OSC, USEPA, Region 10, Emergency Response Unit
Tel: Office (206) 553-0279
TO: See Distribution List on last page

POLREP No.3 (Progress)

II. BACKGROUND

Site ID: SSID # 106Y
Delivery Order No: 081-10 -14
Response Authority: CERCLA
CERCLIS No: WAD009624453
NPL Status: Boomsnub/Airco is a NPL Superfund Site
State Notification: Washington State Department of Ecology
Action Memo Status: Signed on March 12, 2001
Removal Start Date: March 19, 2001
Expected Completion Date: April 6, 2001 (New Estimate 4/13/01)
Site Web Page: www.epa.gov/r10earth, click Index, click B for Boomsnub. or use URL:

<http://yosemite1.epa.gov/R10/CLEANUP.NSF/sites/boomrv>

III. SITE INFORMATION

A. Incident Category

This is a time-critical removal action at the Boomsnub/Airco National Priority List (NPL) Superfund Site.

B. Site Description

1. Site Location

The Boomsnub/Airco NPL Superfund Site is located north of Vancouver in unincorporated Hazel Dell, Clarke County, Washington at Township 2 North

Range 1 East in Section 12. The site comprises approximately 0.83 acres at latitude 45.677/ North and longitude 122.62/ West. The Site is located at 7608 NE 47th Avenue, approximately two miles east of Interstate 5 and one mile west of Interstate 205, near NE 78th Street and NE 47th Avenue. The Site is bordered by a mixture of residential, commercial, and light industrial properties. The property is vacant except for a machine shop building unrelated to Site activities and the ground-water treatment system. The Boomsnub Corporation and its predecessor company, Pioneer Plating, conducted chrome plating operations at this location from 1967 until 1994, when Boomsnub moved its business to its current location at 3611 NE 68th Street.

The Site also encompasses a plume of ground-water contamination that emanates from beneath the Boomsnub and the BOC Gases facility (formerly known as Airco) facilities and extends in a west/northwest direction to NE 30th Avenue.

In 2000, the selected remedy was identified in a ROD for the Boomsnub Soil Operable Unit and consisted of soil excavation and off-site disposal of contaminated soils. The selected remedy's description is as follows:

The major components of the remedy for the Boomsnub Soil OU are the following:

1. Excavation and off-site disposal of an estimated 1,200 cubic yards of soil exceeding a remediation level of 400 ppm for total chromium and the MTCA Method A industrial soil cleanup standard of 1,000 ppm for lead
2. Other co-located contaminants including arsenic and five semi-volatile organic compounds (SVOCs) will also be addressed by this action, allowing future industrial use of the property.
3. Institutional controls in the form of deed restrictions and controlled site access for the Boomsnub property to prevent contaminated soil below 15 feet in depth from being disturbed without appropriate precautions and to preclude residential use of the Boomsnub property.

IV. Response Information

A. Situation

1. Current Situation

April 1, 2001 (Sunday)

Personnel on site: 1 security guard. No work conducted today.

April 2, 2001 (Monday)

Personnel on site: 1 Environmental Protection Agency (EPA), 1 United States Coast Guard (USCG) Strike Team, 7 Emergency and Rapid Response Services contractor (ERRS), 4 Superfund Technical Assessment and Response Team contractor (START), 0 Environmental Sampling and Assistance Team contractor (ESAT), (Total 13).

Weather: Partly cloudy and light rain, temps 50-55 degrees F.

ERRS continued excavation on B-12, V-1 and LRR-1. Excavated 8 feet south of delineation line for B-12. START collected samples from B-12, V-1 and LRR-1 and analyzed them for chromium and lead using XRF. ESAT lab not on site today - end of contract. ESAT scheduled to be back on site 4/3/01. Results indicate that stockpile B-4 meets criteria for subtitle D landfill. ERRS loaded 4 truck and trailers with contaminated soil for disposal at subtitle D landfill.

April 3, 2001 (Tuesday)

Personnel on site: 2 EPA (OSC & RPM), 1 USCG, 7 ERRS, 4 STAR
T, 2
ESAT.

Weather: Partly Sunny, temps 50-55 degrees F.

ERRS loaded trucks with contaminated soil from stockpile B-12, B-4, LRR-1, and V-1, for transportation and disposal at Hillsboro landfill. ERRS mobilized 2-ton roller to help in compaction of backfill. Excavation continued on LRR1 and V1. START collected samples from LRR1 and V1 to delineate the extent of contamination. The sample results indicated that a 500 square foot area was contaminated down to 6 feet bgs. START and ESAT continued to run samples on XRF and Flame AA. Backfill was completed for B-6. START indicated that results from soil samples inside 3 drums on site met cleanup criteria and can be placed in soil pile. Area B-12 near the northeast corner of the treatment building's extension awning was sampled by START. The results indicated concentrations of chromium and lead over 10,000 ppm under the concrete/asphalt area. EPA made decision to remove two awnings on the east side and one awning on the north side of the groundwater treatment building as well as the concrete/asphalt slabs in order to excavate the contaminated soils.

April 4, 2001 (Wednesday)

Personnel on site: 2 EPA (OSC & RPM), 1 WDOE (State), 1 USCG, 7 ERRS, 4 START, 2 ESAT

Weather: Sunny, temps 55-60 degrees F.

ERRS loaded trucks with contaminated soil from stockpile B-12, B-4, LRR-1, and V-1, for transportation and disposal at Hillsboro landfill. Additional trucks of backfill arrived to add additional material on B-4

and B-6. ERRS removed the awnings in front of the treatment system. START collected soil samples from LRR-1, V-1, and B-12. ERRS continued excavating areas LRR-1 and V-1.

April 5, 2001 (Thursday)

Personnel on site: 1 EPA (OSC), 1 USCG, 7 ERRS, 4 START, 0 ESAT

Weather: Cloudy, temps 50-55 degrees F.

ERRS cut the concrete and asphalt in front of the water treatment building and started to remove awning from stairs near the north side of treatment building. ERRS disposed of the wood debris from the awning demolition at a local recycling area. Clark County Public Utilities were on site to remove power line from pole to command trailer to allow for the excavator to safely remove concrete and soils in front of treatment system building - new area B-12A. ERRS subcontracted a temporary generator to return power to the command post. ERRS continued excavation of LRR-1, B-12, and V-1 and START continued to sample and screen with XRF. ESAT confirmed samples using Flame AA. To date, approximately 350 samples have been collected and analyzed on site. At 1900 hours EPA OSC attended citizen Task Force meeting in Vancouver and gave a presentation about the removal action being conducted on the Boomsnub site. A total of 10 people were in attendance.

April 6, 2001 (Friday)

Personnel on site: 1 EPA, 1 USCG, 8 ERRS, 4 START, 1 ESAT

Weather: Partly Sunny, temps 50-60 degrees F.

START indicated that area LRR-1 and V-1 met cleanup criteria. ERRS begin to backfill areas V-1 and LRR-1. ERRS removed the concrete and asphalt in front of the treatment building and excavated B-12A. In places the thickness of the concrete slab exceeded 3 and 4 feet. The concrete is being staged on the site for use as backfill material for the deeper excavations. START collected stockpile samples for TCLP analysis. START also sampled B-12A for XRF and Flame AA analysis.

April 7, 2001 (Saturday)

Personnel on site: 1 security guard. No work conducted today.

2. Removal Actions to Date

The table below shows the excavation areas in the design plan and the final depth of excavation. In addition, it so indicates if confirmation sampling has been completed - Not Excavated (NE) Site Prepared (SP), and Not Sampled (NS).

<u>Excavation Areas</u>	<u>Depth (bgs)</u>	<u>Confirmation Samples</u>
B1	NE	NS
B2	NE	NS
B3	4 feet	Confirmed
B4	2 to 3 feet	Confirmed
B5	6 to 6.5 feet	Confirmed
B6	2 to 2.5 feet	Confirmed
B7	4 feet	Confirmed
B8	1 to 2 feet	Confirmed
B9	NE/SP	NS
B10	NE/SP	NS
B11	NE/SP	NS
B12	2 to 5 feet	Sampled for XRF & AA
B12A *	3 feet/SP	Sampled for XRF & AA
GLV1	2 to 3 feet	Confirmed
V1	2 to 6 feet	Confirmed
LRR1	2 to 3 feet	Confirmed

* B12A - New area based high concentrations of chromium and lead detected on side wall samples 8 feet south of the delineated excavation area. Field decision to remove the awning, asphalt, and concrete adjacent to building foundation to excavate B12A.

3. Enforcement

EPA has completed a PRP search at the Site. EPA has identified Boomsnub/Pacific Northwest Plating and BOC Gases as PRPs at the Site. Although EPA has not identified PRPs associated with specific operable units, the data collected during investigations at the Site clearly shows that chromium is associated with the Boomsnub facility and not with the BOC Gases facility.

In 2000 EPA entered into a consent decree with the Boomsnub Corporation (now out of business), Edward Takitch (the company president), and the estate of Jason Niblett (the former president) resolving their liability at the Boomsnub/Airco Site. EPA and the Department of Justice conducted an extensive analysis of the defendants' ability to pay, and concluded that all defendants had very limited resources. What few assets are available will be put into a special account for this operable unit. EPA is not ordering the PRP to conduct this removal because to do so would be contrary to the settlement that is embodied in the Consent Decree and because EPA is convinced that none of the three Boomsnub defendants has resources sufficient to undertake this work.

B. Planned Removal Activities

To minimize/eliminate the threat to human health and the environment posed by the materials on the site, the following removal activities are planned:

- Excavation, sampling, and off-site disposal of chromium- and lead-contaminated soil on the Boomsnub property (excavation areas B1 - B12), on the GL & V Celleco property (GLV1) on Voorhies property (V1) and on Clark County's railroad property (LRR1). Removal action levels are 400 parts per million (ppm) for chromium and 1000 ppm for lead in soils. It is estimated that approximately 1,200 cubic yards of soil will be removed from these properties.
- Backfill and restoration (i.e., hydro-seeding, fence repair, and asphalt) of excavated properties.

C. Next Steps

The Boomsnub/Airco Superfund Site consists of two industrial facilities and a ground-water contaminant plume. Boomsnub operated a chrome plating facility resulting in historical spills of chromic acid that entered soils on its property and migrated to ground water. BOC Gases, located adjacent to the Boomsnub property, is an active compressed gases facility. Historical practices at the BOC Gases property have resulted in the presence of volatile organic compounds (VOCs) in soils and ground water. Releases of chromium and VOCs from the Boomsnub and BOC Gases properties, respectively, have resulted in a commingled plume extending approximately 4,400 feet. EPA has divided this Site into three operable units (OUs) to manage these cleanup activities:

- ! Boomsnub Soil OU
- ! BOC Gases Soil OU
- ! Site-Wide Ground Water OU

The Record of Decision addresses two of three OUs at the Site, the Boomsnub Soil OU and the Site-Wide Ground Water OU. The BOC Gases Soil OU is being addressed under a removal action for source control of ground water within the BOC Gases property boundaries to prevent continued migration of volatile organic compounds to the Site-Wide ground-water plume.

D. Key Issues

On Friday, March 30, 2001 at 1120 hours a truck delivering backfill tore down an overhead power line with his extended truck bed. No one sustained any injuries, however, power was lost for approximately 2 hours. The power outage impacted two neighboring businesses and shut down the on-site treatment system. The ERRS and their trucking subcontractor have made contact with their insurance companies.

Access to the site is restricted by fencing and during this removal action - a 24-hr guard service. EPA has worked with the tenants and owners of adjacent properties to accommodate their needs during excavation on their property. EPA has provided temporary storage for displaced equipment of one of the tenants.

V. Cost Information

Estimated costs are summarized below:

	<u>Established Ceiling</u>	<u>Estimated Costs (As of 4/05/01)</u>	<u>Percentage Used</u>
EPA	\$ 25,000	\$ 18,000	72 %
USCG	\$ 25,000	\$ 7,455	30 %
START	\$126,000	\$ 48,711	39 %
ERRS	\$365,000	\$155,248 (4/04)	32 %
Total	<u>\$541,000</u>	<u>\$229,414</u>	<u>42 %</u>

Note: The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

VI Disposition of Wastes

Waste Stream	Medium	Quantity	Treatment	Disposal
Cr/Pb-contam. asphalt /concrete	Solid waste	34 tons	Transported off site	Hillsboro Subtitle D Landfill, Hillsboro, Oregon
Cr/Pb-contam. soil from B-1& B-2	Solid waste			
Cr/Pb-contam. soil from B-3 & B-7	Solid waste	68 tons	Transported off site	Hillsboro Subtitle D Landfill, Hillsboro, Oregon
Cr/Pb-contaminated soil from B-4	Solid waste	136 tons	Transported off site	Hillsboro Subtitle D Landfill, Hillsboro, Oregon
Cr/Pb-contam. soil from B-5/GLV-1	Solid waste	102 tons	Transported off site	Hillsboro Subtitle D Landfill, Hillsboro, Oregon
Cr/Pb-contam. soil from B-6 & B-8	Solid waste	68 tons	Transported off site	Hillsboro Subtitle D Landfill, Hillsboro, Oregon
Cr/Pb-contam.soil from B-9 & B-11	Solid waste			
Cr/Pb-contaminated soil from B-10	Solid waste			

Waste Stream	Medium	Quantity	Treatment	Disposal
Cr/Pb-contaminated soil from B-12	Solid waste	170 tons	Transported off site	Hillsboro Subtitle D Landfill, Hillsboro, Oregon
Cr/Pb-contam. soil from V-1 & LRR1	Solid waste	374 tons	Transported off site	Hillsboro Subtitle D Landfill, Hillsboro, Oregon
Tree/shrub/blackberry bushes	Yard waste	20 cu yd	Transported off site	H & H Recycling, Vancouver, Oregon
Cr/Pb-contam. soil from guide wire deadman excavation stockpile	Solid waste	102 tons	Transported off site	Hillsboro Subtitle D Landfill, Hillsboro, Oregon

VII Distribution

To: EPA Headquarters, Washington, D.C. Attention: Terry Eby
EPA Region 10, Attention: Chris Field, Debbie Yamamoto, OSCs, Beth Kunz
EPA Washington Operations Office, Attention: Thomas Eaton
Washington State Department of Ecology, Attention: Dan Alexanian

VII Status

Case Pending.